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<b>(21) International Application Number:</b> PCT/US95/04079 <b>(22) International Filing Date:</b> 30 March 1995 (30.03.95)  <b>(71) Applicant (for all designated States except US):</b> HUMAN GENOME SCIENCES, INC. [US/US]; 9410 Key West Avenue, Rockville, MD 20850-3338 (US).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> LI, Yi [CN/US]; 16125 Howard Landing Drive, Gaithersburg, MD 20878 (US). CAO, Liang [CN/GB]; 18B Suncrest Tower, Monmouth Terrace, Hong Kong (HK). NI, Jian [CN/US]; Apartment #204, 305 West Side Drive, Gaithersburg, MD 20878 (US). GENTZ, Reiner [DE/US]; 13404 Fairland Park Drive, Silver Spring, MD 20904 (US). BULT, Carol, J. [US/US]; 334 Park Hall South, Laurel, MD 20824 (US). SUTTON, Granger, G., III [US/US]; 6409 Snowman Court, Columbia, MD 21045 (US). ROSEN, Craig, A. [US/US]; 22400 Rolling Hill Road, Laytonsville, MD 20882 (US).  <b>(74) Agents:</b> OLSTEIN, Elliot, M.; Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein, 6 Becker Farm Road, Roseland, NJ 07068 (US) et al.		<b>(81) Designated States:</b> AU, CA, CN, JP, KR, MX, NZ, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report.</i>
<b>(54) Title:</b> HUMAN G-PROTEIN COUPLED RECEPTORS  <b>(57) Abstract</b>  Human G-protein coupled receptor polypeptides and DNA (RNA) encoding such polypeptides and a procedure for producing such polypeptides by recombinant techniques is disclosed. Also disclosed are methods for utilizing such polypeptides for identifying antagonists and agonists to such polypeptides and methods of using the agonists and antagonists therapeutically to treat conditions related to the underexpression and overexpression of the G-protein coupled receptor polypeptides, respectively. Also disclosed are diagnostic methods for detecting a mutation in the G-protein coupled receptor nucleic acid sequences and an altered level of the soluble form of the receptors.		

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